

In the Claims:

1 (currently amended): A control system for ~~controlling a plurality of devices in a subsea installation (1), said devices being connected to at least one common bus~~, the control system comprising:

a control module (14),

a common bus which is connected to the control module; and

a plurality of devices which are each removably connectable to the common bus;

wherein each device comprising comprises a bus controller having a unique address and means for communicating with the control module (14);
and

wherein the control module comprises means for communicating with each device over the common bus.

~~each device being removably connected to the common bus.~~

2 (currently amended): A control system according to claim 1, wherein the common bus comprises at least one modular cable unit.

3 (currently amended): A control system according to claim 2, wherein the cable unit comprises a cable (40) having at least one electrical connector (44) at each end.

4 (currently amended): A control system according to claim 2, wherein the ~~cable unit common bus further comprises a at least one distribution hub (50, 54, 58) having at least two electrical connectors (45) which is removably connectable to the cable unit.~~

5 (currently amended): A control system according to claim 2, wherein the ~~cable unit~~ common bus further comprises an end termination ~~(42, 90n)~~ which is removably connectable to the cable unit.

6 (currently amended): A control system according to claim 2, wherein the ~~cable unit~~ common bus further comprises a repeater ~~(55)~~ which is removably connectable to the cable unit.

7 (canceled).

8 (currently amended): A control system according to claim 3, wherein said at least one electrical connector is ~~connected~~ removably connectable to at least one of said plurality of devices.

9 (currently amended): A control system according to claim 1, wherein the common bus comprises a CAN bus.

10 (currently amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises a battery ~~(36)~~.

11 (currently amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises an electro-hydraulic pod ~~(80)~~.

12 (currently amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises an actuator ~~(13)~~.

13 (currently amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises a sensor ~~(62)~~.

14 (currently amended): A control system according to claim 2, wherein said cable unit ~~further~~ comprises a ~~central~~ junction ~~(93)~~.

15 (currently amended): A control system according to claim 14, wherein

said cable unit further comprises at least one electrical connector (90a, 90b...90n) and at least two control signal supply cables (94, 98, 102) extending between said central junction (93) and said electrical connector.

16 (original): A control system according to claim 15, wherein said at least two control signal supply cables are electrically joined at said electrical connector.

17 (currently amended): A control system according to claim 14, wherein said cable unit further comprises at least one electrical connector and at least two control signal return cables (96, 100, 102) extending between said central junction (93) and said electrical connector.

18 (currently amended): A control system according to claim 15, wherein said cable unit further comprises a signal component (108).

19 (currently amended): A control system according to claim 14, wherein said cable unit further comprises at least one electrical connector and at least two control signal cables, each of ~~said control signal cables comprising which~~ comprises a current loop which is routed through each said electrical connector and ~~through~~ said central junction.

20 (currently amended): A control system according to claim 3, wherein at least one electrical connector comprises a female connector (45).

21 (currently amended): A control system according to claim 3, wherein at least one electrical connector comprises a male connector (44).

22 (currently amended): A control system according to claim 3, wherein at least one electrical connector comprises a signal termination component (118).